

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 3, 2004, 16:21:26 ; Search time 10.9688 Seconds

(without alignments)
84.720 Million cell updates/sec

Title: US-09-993-290-1

Perfect score: 85

Sequence: 1 RSNLDEDIABENIVSR 18

Scoring table: BLOSUM62

Searched: Gapop 10.0, Gapext 0.5

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database: Issued Patents AA.*

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2: /cgn2_6/ptodata/2/1aa/5B.COMB.dep.*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.dep.*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.dep.*
5: /cgn2_6/ptodata/2/1aa/PCTUS.COMB.dep.*
6: /cgn2_6/ptodata/2/1aa/backfile1.dep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	85	100.0	1663	2	US-08-793-126-1
2	85	100.0	1663	3	US-09-132-271-1
3	85	100.0	1663	3	US-09-142-334-22
4	80	94.1	21	1	US-08-447-411-20
5	80	94.1	21	1	US-08-447-411-60
6	80	94.1	21	2	US-08-662-227-17
7	80	94.1	21	4	US-09-017-947-17
8	80	94.1	21	4	US-09-925-442-17
9	80	94.1	22	1	US-08-447-411-73
10	80	94.1	22	2	US-08-662-227-31
11	80	94.1	22	4	US-09-017-947-31
12	80	94.1	22	4	US-09-925-442-31
13	61	71.8	21	1	US-08-447-411-22
14	60	70.6	13	5	PCT-US95-04121-3
15	59	69.4	22	1	US-08-447-411-21
16	59	69.4	22	1	US-08-447-411-74
17	59	69.4	22	2	US-08-662-227-32
18	59	69.4	22	4	US-09-017-947-32
19	59	69.4	22	4	US-09-925-442-32
20	58	68.2	14	1	US-08-447-411-57
21	58	68.2	14	2	US-08-662-227-14
22	58	68.2	14	4	US-09-017-947-14
23	58	68.2	14	4	US-09-925-442-14
24	56	65.9	13	5	PCT-US95-04121-4
25	49	57.6	10	1	US-08-447-411-16
26	49	57.6	10	1	US-08-447-411-48
27	49	57.6	10	2	US-08-662-227-5

Top 81% Consistency

28	49	57.6	10	4	US-09-017-947-5	Sequence 5, Appl
29	49	57.6	10	4	US-09-925-442-5	Sequence 5, Appl
30	48	56.5	1333	1	US-08-447-411-76	Sequence 76, Appl
31	48	56.5	1333	2	US-08-662-227-34	Sequence 34, Appl
32	48	56.5	1333	4	US-09-017-947-34	Sequence 34, Appl
33	48	56.5	1333	4	US-09-925-442-34	Sequence 34, Appl
34	48	56.5	1651	1	US-08-447-411-2	Sequence 2, Appl
35	47	55.3	14	1	US-08-447-411-8	Sequence 8, Appl
36	45	52.9	14	1	US-08-447-411-10	Sequence 10, Appl
37	43	50.6	21	1	US-08-447-411-19	Sequence 19, Appl
38	43	50.6	21	1	US-08-447-411-59	Sequence 59, Appl
39	43	50.6	21	2	US-08-662-227-16	Sequence 16, Appl
40	43	50.6	21	4	US-09-017-947-16	Sequence 16, Appl
41	43	50.6	21	4	US-09-925-442-16	Sequence 16, Appl
42	43	50.6	22	1	US-08-447-411-72	Sequence 72, Appl
43	43	50.6	22	2	US-08-662-227-30	Sequence 30, Appl
44	43	50.6	22	4	US-09-017-947-30	Sequence 30, Appl
45	43	50.6	22	4	US-09-925-442-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1
US-08-793-126-1
Sequence 1, Application US/08793126
Patent No. 5849297
GENERAL INFORMATION:
APPLICANT: Harrison, Richard Alexander
APPLICANT: Faries, Charles Timothy
TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSER: HALE AND DORR LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: United States of America
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,126
FILING DATE: 07-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Baker, Hollie L.
REGISTRATION NUMBER: 31,321
REFERENCE/DOCKET NUMBER: 102286.377
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1663 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-793-126-1
Query Match
Best Local Similarity 100.0%, Score 85, DB 2, Length 1663,
Matches 18, Conservative 0, Mismatches 0, Indels 0, Gaps 0;
OY 1 RSNLDEDIABENIVSR 18
DB 748 RSNLDEDIABENIVSR 765

RESULT 2
US-09-132-271-1
; Sequence 1, Application US/09132271
; Patent No. 6221657
; GENERAL INFORMATION:
; APPLICANT: Harrison, Richard Alexander
; APPLICANT: Fatties, Charles Timothy
; TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HALE AND DORR LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: United States of America
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/132,271
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/793,126
; FILING DATE: 07-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Baker, Hollie L.
; REGISTRATION NUMBER: 31,321
; REFERENCE/DOCKET NUMBER: 102286.377
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1663 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-132-271-1
Query Match 100.0%; Score 85; DB 3; Length 1663;
Best Local Similarity 100.0%; Pred. No. 3.2e-05;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 RSNLDEDIABENIVRS 18
Db 748 RSNLDEDIABENIVRS 765

RESULT 3
US-09-142-334-22
; Sequence 22, Application US/09142234
; Patent No. 6268485
; GENERAL INFORMATION:
; APPLICANT: Fatties, Timothy C.
; APPLICANT: Harrison, Richard A.
; TITLE OF INVENTION: Down-Regulation Resistant C3 Convertase
; FILE REFERENCE: 4-30443/A/IMU/PC
; CURRENT APPLICATION NUMBER: US/09/142,334
; CURRENT FILING DATE: 1999-04-15
; EARLIER APPLICATION NUMBER: PCT/GB97/00603
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 22
; LENGTH: 1663
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-142-334-22

Query Match 100.0%; Score 85; DB 3; Length 1663;
Best Local Similarity 100.0%; Pred. No. 3.2e-05;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 RSNLDEDIABENIVRS 18
Db 748 RSNLDEDIABENIVRS 765

RESULT 4
US-08-447-411-20
; Sequence 20, Application US/08447411
; Patent No. 5773243
; GENERAL INFORMATION:
; APPLICANT: FRITZINGER, DAVID C.
; APPLICANT: BREDEHORST, REINHARD
; APPLICANT: VOGEL, CARL-WILHELM
; TITLE OF INVENTION: DNA ENCODING COBRA C3, CVP1, AND CVP2
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,411
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/043,747
; FILING DATE: 07-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5773243man P.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 1126-101-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-08-447-411-20

Query Match 94.1%; Score 80; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 SNLDEDIABENIVRS 18
Db 1 SNLDEDIABENIVRS 17

RESULT 5
US-08-447-411-60
; Sequence 60, Application US/08447411
; Patent No. 5773243
; GENERAL INFORMATION:
; APPLICANT: FRITZINGER, DAVID C.

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OM protein - protein search, using sw model

Run on: August 3, 2004, 16:21:26 ; Search time 16.4531 Seconds
(without alignments)
84.720 Million cell updates/sec

Title: US-09-993-290-2

Perfect score: 138
Sequence: 1 REGVQKEDIPADLSQVDPPTRESSTRI 27

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database: Issued Patents, AA:
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2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/6C.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/6D.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	138	100.0	1663	2	US-08-793-126-1
2	138	100.0	1663	3	US-09-132-271-1
3	138	100.0	1663	3	US-09-142-334-22
4	63	45.7	1642	1	US-08-447-411-45
5	63	45.7	1642	2	US-08-662-227-2
6	63	45.7	1642	4	US-09-017-947-2
7	63	45.7	1642	4	US-09-925-442-2
8	63	45.7	1648	2	US-08-662-227-35
9	63	45.7	1648	2	US-09-017-947-35
10	63	45.7	1648	4	US-09-925-442-35
11	61	44.2	1333	1	US-08-447-411-75
12	61	44.2	1333	2	US-08-662-227-34
13	61	44.2	1333	4	US-09-017-947-34
14	61	44.2	1333	4	US-09-925-442-34
15	59	42.8	1651	1	US-08-447-411-2
16	53	38.4	503	4	US-09-198-452A-263
17	51	37.0	364	4	US-09-107-532A-5044
18	50	36.2	349	4	US-09-252-991A-11420
19	49.5	35.9	389	4	US-09-565-909-4
20	48	34.8	598	4	US-09-198-452A-511
21	47	34.1	1164	2	US-08-589-756-1
22	47	34.1	1164	3	US-09-206-800-1
23	47	34.1	1164	4	US-09-206-898-1
24	46	33.3	433	4	US-09-252-991A-25248
25	46	33.3	1181	4	US-09-206-898-23
26	45.5	33.0	300	4	US-09-134-001C-4762
27	45.5	33.0	631	3	US-09-345-468-12

28	45.5	33.0	631	4	US-09-414-453A-12	Sequence 12, Appl
29	45.5	33.0	957	4	US-09-252-991A-32568	Sequence 32568, A
30	45	32.6	435	3	US-09-457-046B-60	Sequence 60, Appl
31	45	32.6	642	1	US-08-706-936-3	Sequence 3, Appl
32	45	32.6	667	3	US-09-071-709-9	Sequence 9, Appl
33	45	32.6	1572	4	US-09-562-702A-32	Sequence 32, Appl
34	45	32.6	1572	4	US-09-561-818A-28	Sequence 28, Appl
35	45	32.6	1605	4	US-09-562-702A-30	Sequence 30, Appl
36	45	32.6	1605	4	US-09-561-818A-26	Sequence 26, Appl
37	45	32.6	1724	3	US-08-857-076-12	Sequence 12, Appl
38	44.5	32.2	773	4	US-09-328-352-8203	Sequence 8203, Ap
39	44	31.9	141	2	US-08-187-186A-5	Sequence 5, Appl
40	44	31.9	165	4	US-09-489-039A-13714	Sequence 13714, A
41	44	31.9	195	4	US-09-252-991A-31207	Sequence 31207, A
42	44	31.9	209	4	US-09-134-001C-4478	Sequence 4478, Ap
43	44	31.9	249	4	US-09-489-039A-13124	Sequence 13124, A
44	44	31.9	448	4	US-09-252-991A-24264	Sequence 24264, A
45	44	31.9	562	4	US-09-489-039A-12840	Sequence 12840, A

ALIGNMENTS

RESULT 1
US-08-793-126-1
Sequence 1, Application US/08793126
Patent No. 5849297
---GENERAL INFORMATION---
APPLICANT: Harrison, Richard Alexander
APPLICANT: Fairley, Charles Timothy
TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSER: HALE AND DORR LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: United States of America
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,126
FILING DATE: 07-FEB-1992
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Baker, Hollie L.
REGISTRATION NUMBER: 31,321
REFERENCE/DOCKET NUMBER: 102286.377
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1663 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULAR TYPE: protein
US-08-793-126-1

Query Match 100.0%; Score 138; DB 2; Length 1663;
Best local Similarity 100.0%; Pred. No. 5.8e-12;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 REGVQKEDIPADLSQVDPPTRESSTRI 27
DB 954 REGVQKEDIPADLSQVDPPTRESSTRI 980

RESULT 2

US-09-132-271-1
Sequence 1, Application US/09132271
Patent No. 6221657

GENERAL INFORMATION:

APPLICANT: Harrison, Richard Alexander
APPLICANT: Faries, Charles Timothy
TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: HALB AND DORR LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: United States of America
ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/132,271
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/793,126
FILING DATE: 07-FEB-1997

ATTORNEY/AGENT INFORMATION:

NAME: Baker, Hollie L.
REGISTRATION NUMBER: 31,321
REFERENCE/DOCKET NUMBER: 102286.377
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-6000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1663 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein

US-09-132-271-1

Query Match

Best Local Similarity 100.0%; Score 138; DB 3; Length 1663;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 REGVKEDIPPADSDQVPTSESTRI 27

Db 954 REGVKEDIPPADSDQVPTSESTRI 980

RESULT 3

US-09-142-334-22
Sequence 22, Application US/09142334
Patent No. 6268485

GENERAL INFORMATION:

APPLICANT: Faries, Timothy C.
APPLICANT: Harrison, Richard A.
TITLE OF INVENTION: Down-Regulation Resistant C3 Convertase
FILE REFERENCE: 4-30443/A/IMU/ECT
CURRENT APPLICATION NUMBER: US/09/142,334
EARLIER FILING DATE: 1999-04-15
EARLIER APPLICATION NUMBER: PCT/GB97/00603
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin Ver. 2.0
SBO ID NO: 22
LENGTH: 1663
TYPE: PRT
ORGANISM: Homo sapiens
US-09-142-334-22

Query Match

Best Local Similarity 100.0%; Score 138; DB 3; Length 1663;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 REGVKEDIPPADSDQVPTSESTRI 27

Db 954 REGVKEDIPPADSDQVPTSESTRI 980

RESULT 4

US-08-447-411-45
Sequence 45, Application US/08447411
Patent No. 573243

GENERAL INFORMATION:

APPLICANT: FRITZINGER, DAVID C.
APPLICANT: BREDEHORST, REINHARD
APPLICANT: VOGEL, CARL-WILHELM
TITLE OF INVENTION: DNA ENCODING COBRA C3, CVF1, AND CVF2
NUMBER OF SEQUENCES: 81
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESS: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,411
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/043,747
FILING DATE: 07-APR-1993

ATTORNEY/AGENT INFORMATION:

NAME: Oblon, No. 573243man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1126-101-0
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 1642 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-447-411-45

Query Match

Best Local Similarity 45.7%; Score 63; DB 1; Length 1642;
Matches 14; Conservative 2; Mismatches 9; Indels 0; Gaps 0;

QY 3 GVOKEIDIPPADSDQVPTSESTRI 27

Db 939 GVOLEVIYKAKDDRVPTSESTRI 963

RESULT 5

US-08-662-227-2
Sequence 2, Application US/08662227
Patent No. 5923320

GENERAL INFORMATION:

APPLICANT: VOGEL, CARL-WILHELM
APPLICANT: BREDEHORST, REINHORST
APPLICANT: KOCK, MICHAEL

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 3, 2004, 16:21:26 ; Search time 11.5781 Seconds
(without alignments)
84.720 Million cell updates/sec

Title: US-09-993-290-3

Perfect score: 99

Sequence: 1 KVTIKPAPETKRPQDAKN 19

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents AA:*

- 1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
- 5: /cgn2_6/ptodata/2/1aa/PTUS.COMB.pep:*
- 6: /cgn2_6/ptodata/2/1aa/backfilest.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	99	100.0	1663	US-08-793-126-1	Sequence 1, Appli
2	99	100.0	1663	US-09-132-271-1	Sequence 1, Appli
3	99	100.0	1663	US-09-142-334-22	Sequence 22, Appli
4	46	46.5	169	US-09-125-619-22	Sequence 22, Appli
5	46	46.5	617	US-09-543-681A-6010	Sequence 6010, Ap
6	45	45.5	410	US-09-252-991A-30048	Sequence 30048, A
7	44	44.4	252	US-08-460-512-4	Sequence 4, Appli
8	43	43.4	28	US-08-921-887-26	Sequence 26, Appli
9	43	43.4	252	US-08-460-512-5	Sequence 5, Appli
10	43	43.4	285	US-08-460-512-2	Sequence 2, Appli
11	43	43.4	569	US-09-252-991A-30670	Sequence 30670, A
12	43	43.4	575	US-09-328-352-7529	Sequence 7529, Ap
13	42.5	42.9	254	US-09-488-039A-10914	Sequence 10914, A
14	42.5	42.9	659	US-09-189-462-4	Sequence 4, Appli
15	42.5	42.9	659	US-09-196-270-5	Sequence 5, Appli
16	42.5	42.9	659	US-09-863-040-4	Sequence 4, Appli
17	42	42.4	328	US-09-252-991A-30671	Sequence 30671, A
18	42	42.4	417	US-08-887-534A-38	Sequence 38, Appli
19	42	42.4	417	US-08-887-534A-40	Sequence 40, Appli
20	42	42.4	417	US-08-887-534A-42	Sequence 42, Appli
21	42	42.4	417	US-09-527-431-38	Sequence 38, Appli
22	42	42.4	417	US-09-527-431-40	Sequence 40, Appli
23	42	42.4	417	US-09-527-431-42	Sequence 42, Appli
24	42	42.4	491	US-09-252-991A-19396	Sequence 19396, A
25	42	42.4	818	US-09-328-352-5208	Sequence 5208, Ap
26	42	42.4	881	US-09-486-072-2	Sequence 2, Appli
27	42	42.4	1128	US-08-111-939-2	Sequence 2, Appli

28	42	42.4	1128	US-09-641-741-30	Sequence 30, Appli
29	42	42.4	1128	US-09-060-482-8	Sequence 8, Appli
30	41.5	41.9	64	US-08-530-550-24	Sequence 24, Appli
31	41.5	41.9	64	US-08-530-550-25	Sequence 25, Appli
32	41.5	41.9	64	US-08-530-550-26	Sequence 26, Appli
33	41.5	41.9	64	PCT-US95-13660-24	Sequence 24, Appli
34	41.5	41.9	64	PCT-US95-13660-25	Sequence 25, Appli
35	41.5	41.9	64	PCT-US95-13660-26	Sequence 26, Appli
36	41	41.4	85	US-09-676-989-4	Sequence 4, Appli
37	41	41.4	133	US-09-199-637A-329	Sequence 329, App
38	41	41.4	133	US-09-252-991A-21458	Sequence 21458, A
39	41	41.4	142	US-08-905-223-422	Sequence 422, App
40	41	41.4	190	US-09-125-619-27	Sequence 27, Appli
41	41	41.4	355	US-09-491-577-86	Sequence 86, Appli
42	41	41.4	390	US-09-252-991A-27764	Sequence 27764, A
43	41	41.4	470	US-09-071-709-12	Sequence 12, Appli
44	41	41.4	999	US-08-770-301A-3	Sequence 3, Appli
45	41	41.4	999	US-09-175-581-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-08-793-126-1.
Sequence 1, Application US/08793126
Patent No. 5849297
GENERAL INFORMATION:
APPLICANT: Harrison, Richard Alexander
TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: HALE AND DORR LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: United States of America
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,126
FILING DATE: 07-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Baker, Hollie L.
REGISTRATION NUMBER: 31,321
REFERENCE/DOCKET NUMBER: 102286.377
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
FAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1663 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-793-126-1

Query Match 100.0%; Score 99; DB 2; Length 1663;
Best local Similarity 100.0%; Pred. No. 8.6e-07;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query 1 KVTIKPAPETKRPQDAKN 19
DB 1364 KVTIKPAPETKRPQDAKN 1382

RESULT 2
US-09-132-271-1
Patent No. 6221657
GENERAL INFORMATION:
APPLICANT: Harrison, Richard Alexander
APPLICANT: Faries, Charles Timothy
TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: HALE AND DORR LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: United States of America
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/132,271
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/793,126
FILING DATE: 07-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Baker, Hollie L.
REGISTRATION NUMBER: 31,321
REFERENCE/DOCKET NUMBER: 102286.377
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-5000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1663 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-132-271-1
Query Match 100.0%; Score 99; DB 3; Length 1663;
Best Local Similarity 100.0%; Pred. No. 8.6e-07;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 KVTIKAPETEKRPDQAKN 19
DB 1364 KVTIKAPETEKRPDQAKN 1382
RESULT 3
US-09-142-334-22
Sequence 22, Application US/09142334
Patent No. 6268485
GENERAL INFORMATION:
APPLICANT: Faries, Timothy C.
APPLICANT: Harrison, Richard A.
TITLE OF INVENTION: Down-Regulation Resistant C3 Convertase
FILE REFERENCE: 4-30443/A/IMU/PCT
CURRENT APPLICATION NUMBER: US/09/142,334
CURRENT FILING DATE: 1999-04-15
EARLIER APPLICATION NUMBER: PCT/CB97/00603
EARLIER FILING DATE: 1997-03-04
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 22
LENGTH: 1663
TYPE: PRT
ORGANISM: Homo sapiens
US-09-142-334-22

Query Match 100.0%; Score 99; DB 3; Length 1663;
Best Local Similarity 100.0%; Pred. No. 8.6e-07;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 KVTIKAPETEKRPDQAKN 19
DB 1364 KVTIKAPETEKRPDQAKN 1382
RESULT 4
US-09-125-619-22
Sequence 22, Application US/09125619
Patent No. 6437116
GENERAL INFORMATION:
APPLICANT: NORRIS, STEVEN J.
APPLICANT: JING-REN, ZHANG
APPLICANT: HARDHAM, JOHN M.
APPLICANT: HOWELL, JERRILYN K.
APPLICANT: BARBOUR, ALAN G.
APPLICANT: WEINSTOCK, GEORGE M.
TITLE OF INVENTION: VMP-LIKE SEQUENCES OF PATHOGENIC BORRELLIA
FILE REFERENCE: UTSH:234
CURRENT APPLICATION NUMBER: US/09/125,619
CURRENT FILING DATE: 1999-01-27
NUMBER OF SEQ ID NOS: 48
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 22
LENGTH: 169
TYPE: PRT
ORGANISM: Borrelia burgdorferi
US-09-125-619-22
Query Match 46.5%; Score 46; DB 4; Length 169;
Best Local Similarity 61.5%; Pred. No. 9;
Matches 8; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
QY 7 APETEKRPDQAKN 19
DB 104 AEQDEKRPDQAKN 116
RESULT 5
US-09-543-681A-6010
Sequence 6010, Application US/09543681A
Patent No. 6605709
GENERAL INFORMATION:
APPLICANT: GARY BRETON
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
FILE REFERENCE: 2709.1002-001
CURRENT APPLICATION NUMBER: US/09/543,681A
CURRENT FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: US 60/128,706
PRIOR FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 8344
SEQ ID NO 6010
LENGTH: 617
TYPE: PRT
ORGANISM: Proteus mirabilis
US-09-543-681A-6010
Query Match 46.5%; Score 46; DB 4; Length 617;
Best Local Similarity 50.0%; Pred. No. 37;
Matches 9; Conservative 2; Mismatches 7; Indels 0; Gaps 0;
QY 1 KVTIKAPETEKRPDQAKN 18
DB 118 KETIKPTISAQKQPDQAKN 135
RESULT 6
US-09-252-991A-30048